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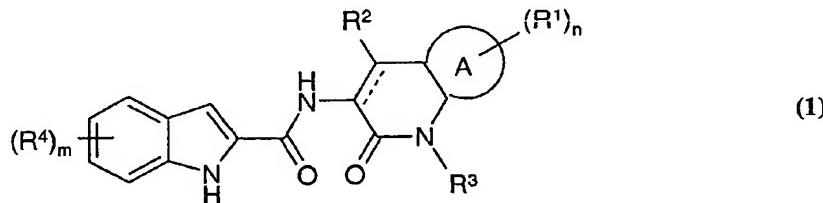
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(72) Inventors; and

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: INDOLE AMIDE DERIVATIVES AND THEIR USE AS GLYCOCEN PHOSPHORYLASE INHIBITORS



(57) Abstract: Heterocyclic amides of formula (1) wherein: is a single or double bond; A is phenylene or heteroarylene; m is 0, 1 or 2; n is 0, 1 or 2; R¹ is selected from for example halo, nitro, cyano, hydroxy, carboxy; R² is hydrogen, hydroxy or carboxy; R³ is selected from for example hydrogen, hydroxy, aryl, heterocycl and C₁₋₄ alkyl (optionally substituted by 1 or 2 R⁸ groups); R⁴ is independently selected from for example hydrogen, halo, nitro, cyano, hydroxy, C₁₋₄ alkyl, and C₁₋₄ alkanoyl; R⁸ is selected from for example hydroxy, -COCOOR⁹, -C(O)N(R⁹)(R¹⁰), -NHC(O)R⁹, (R⁹)(R¹⁰)N- and -COOR⁹; R⁹ and R¹⁰ are selected from for example hydrogen, hydroxy, C₁₋₄ alkyl (optionally substituted by 1 or 2 R¹³); R¹³ is selected from hydroxy, halo, trihalomethyl and C₁₋₄ alkoxy; or a pharmaceutically acceptable salt or pro-drug thereof; possess glycogen phosphorylase inhibitory activity and accordingly have value in the treatment of disease states associated with increased glycogen phosphorylase activity. Processes for the manufacture of said heterocyclic amide derivatives and pharmaceutical compositions containing them are described.

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INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/EP 03/00893

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D401/12 A61K31/404 A61P43/00 C07D401/14 C07D417/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96 39384 A (TREADWAY JUDITH L ;HULIN BERNARD (US); HOOVER DENNIS J (US); PFIZE) 12 December 1996 (1996-12-12) claims	1-16
A	EP 1 088 824 A (PFIZER PROD INC) 4 April 2001 (2001-04-04) claims	1-16
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P, A	WO 02 20530 A (FREEMAN SUE ;KENNY PETER (GB); MORLEY ANDREW (GB); WHITTAMORE PAUL) 14 March 2002 (2002-03-14) claims	1-16

Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 03/00893

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 11 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/03/00893

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